

**DYNAMIC ADJUSTMENT OF SYSTEM RESOURCE ALLOCATION DURING
QUERY EXECUTION IN A DATABASE MANAGEMENT SYSTEM**

Abstract of the Disclosure

An apparatus, program product and method dynamically and temporarily adjust resource allocation in a computer system during execution of a database query to maximize the performance of the computer system in executing the database query. A desirable resource allocation for optimally executing a particular database query on a computer system may be determined during generation of an access plan for that database query. In association with such a determination, a request for adjusting the resource allocation may be supplied to a resource manager in the computer system to initiate the adjustment of system resources in the computer system prior to actual execution of the access plan. As a result, when the access plan is ultimately executed, the resource allocation may be adjusted in the manner specified in the request to provide an optimal environment for executing the access plan, thus enabling a proactive adjustment of resource allocation to occur in advance of future activity.